

Biomass Availability Assessments

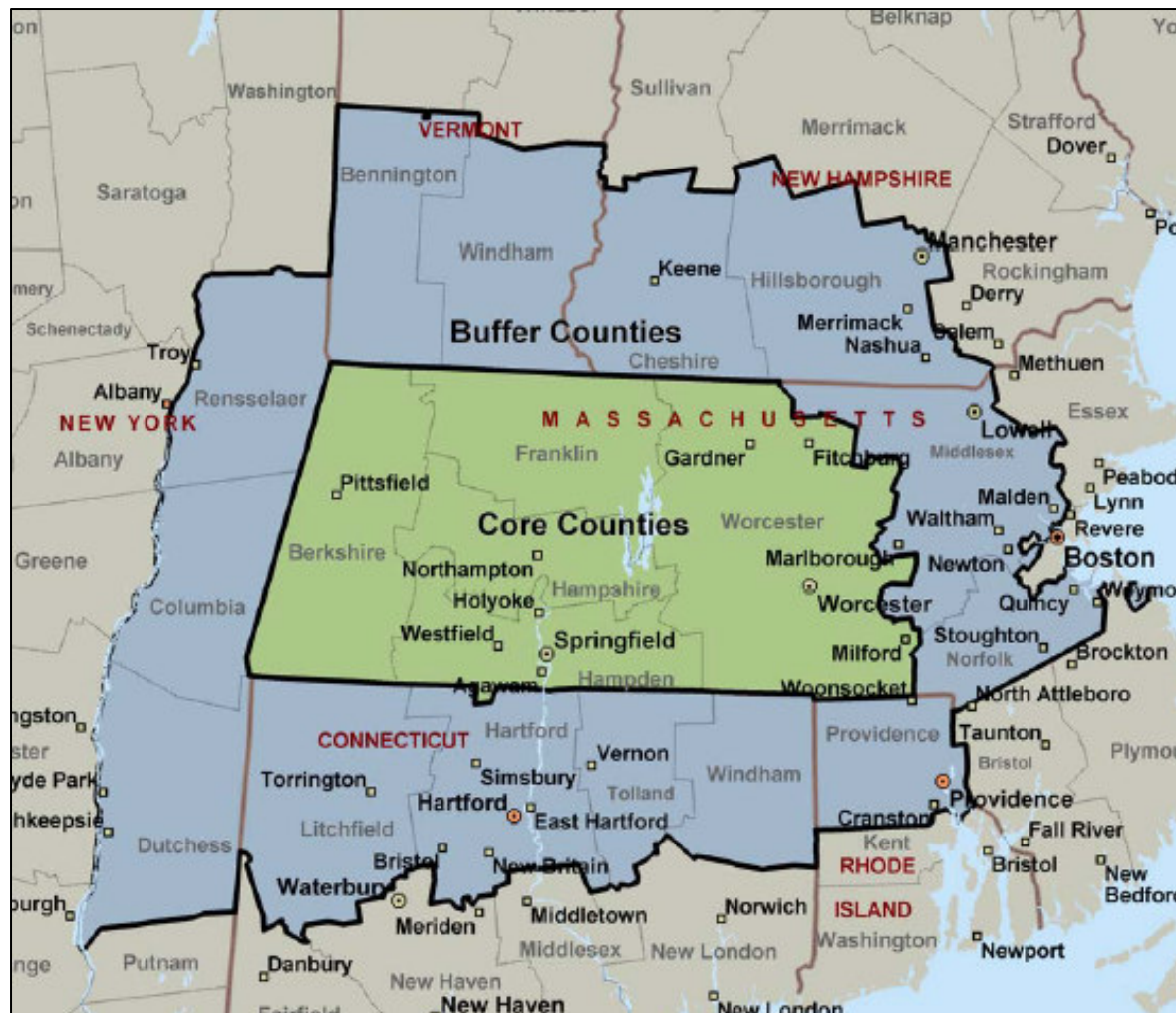
- 5 Counties of Western Massachusetts
 - Berkshire
 - Franklin
 - Hampden
 - Hampshire
 - Worcester
- Pittsfield, MA
- Springfield, MA
- Worcester, MA

Massachusetts Division of Energy Resources
&
Massachusetts Department of Conservation and Recreation

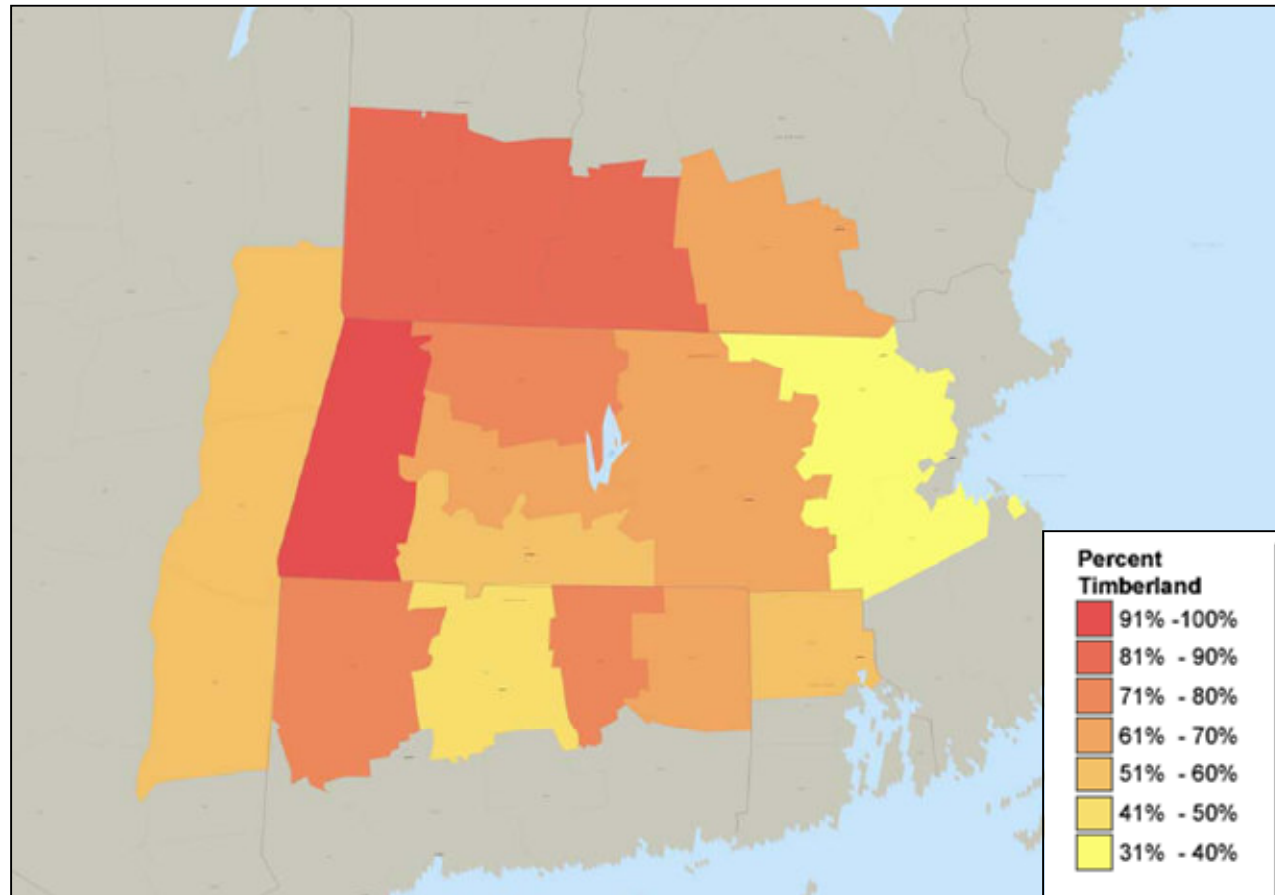


With Funding Provided by the
Massachusetts Technology Collaborative

Core and Buffer Counties



Percent Timberland by County

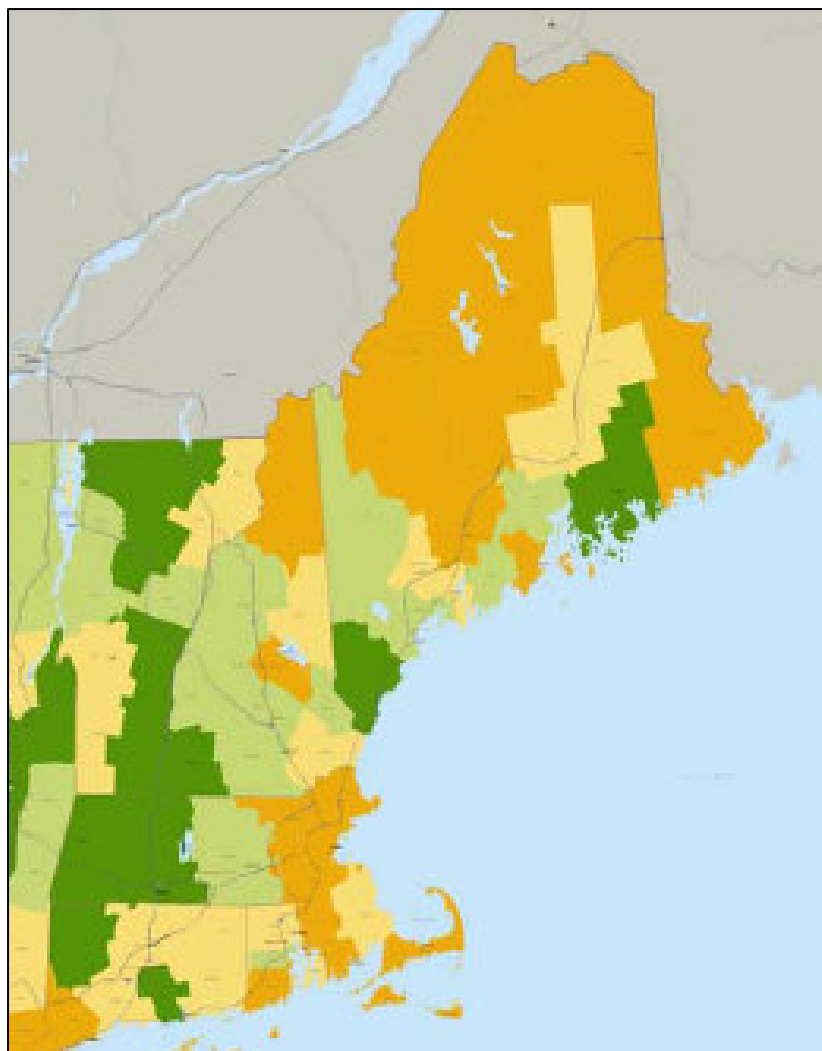


Analysis of Biomass Available

- Annual Forest Growth & Harvest Levels
- Forest Harvest Residues
- Sawmill Residues
- Secondary Forest Product Residues
- Urban Wood Residues
 - Land clearing
 - Tree Services
 - Pallets & Other Clean Shipping Wood
 - Processed Construction & Demolition Debris
- Other
 - Agricultural Residues
 - Paper Cubes

Net Forest Growth







On “Timberland”, Green Tons / Acre / Year

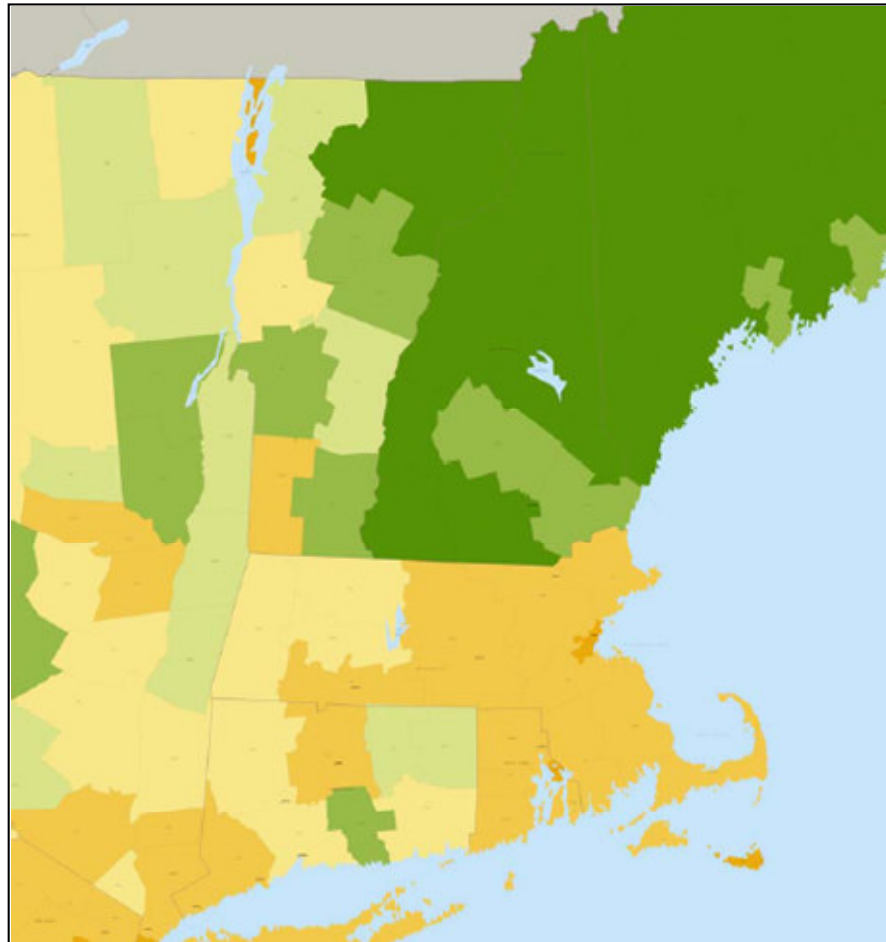


Western Massachusetts
has some of the region's
best net growth
(growth less harvest)
per acre in the
Northeastern US

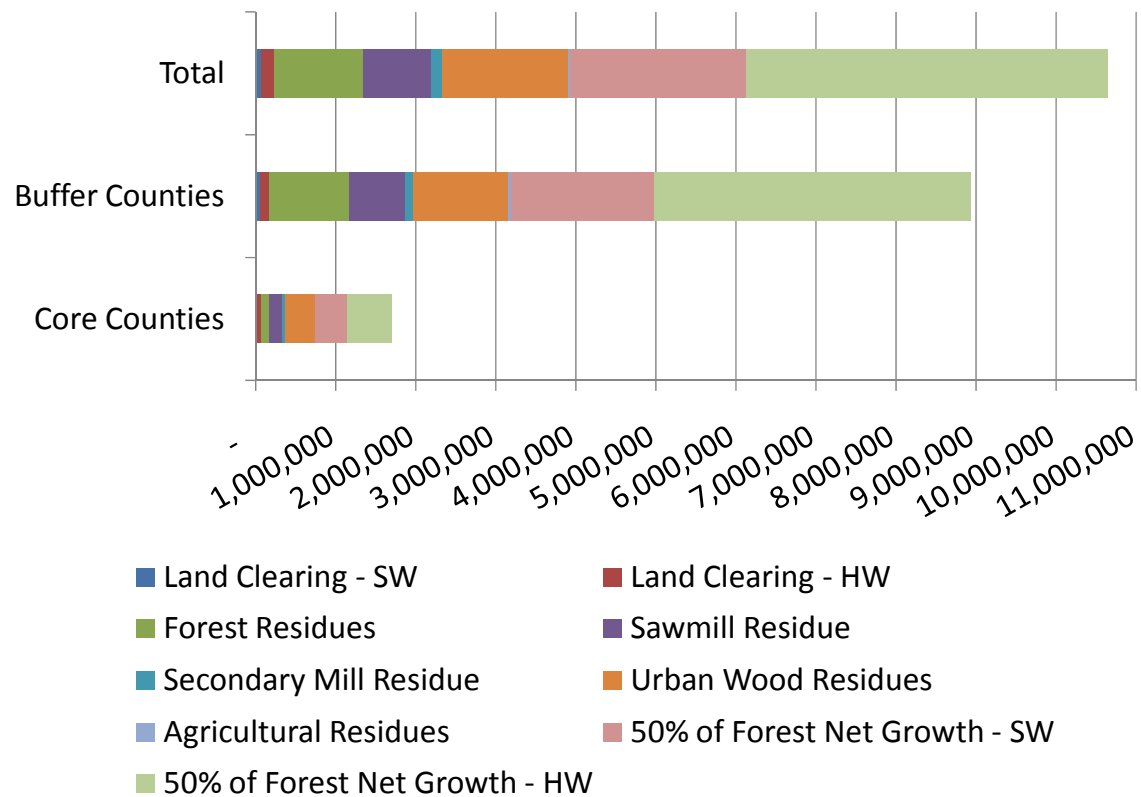
- Data source *USDA FIA*

Forest Residues per Acre / Year

| Forest Residue | |
|---|-------------------|
| Green Tons per Square Mile per Year | |
|  | Greater than 96.0 |
|  | 51.3 – 96.0 |
|  | 32.1 – 51.2 |
|  | 19.3 – 32.0 |
|  | 6.4 – 19.2 |
|  | Virtually none |



Total Biomass Available by Category



Existing and Proposed Users of Low-Grade Wood

- Twenty operating facilities, with combined annual wood use of up to 11.1 million green tons;
- Five idle facilities, with combined annual wood use of a half million green tons;
- Nine publicly proposed facilities, in various stages of development, with total combined wood use of up to 4.7 million green tons.

Existing and Proposed Users of Low-Grade Wood

